

THE HYPERPURE PRINT STRING

STRONG

WORKABLE

HyperPure®

PURE

Date and Time of Manufacturing

Recyclable
HyperPure is HDPE Code 2 Compliant

Made In USA

CTS

Size of Tubing - Based on Copper Tube Size (OD controlled)

American Legend Manufacturing

Division of Legend Valve & Fitting, Inc.

2399NT BIMODAL POLYETHYLENE

Manufactured using patented DOW HyperTherm™ Bimodal PE Resin

ASSE 1061

Compatible ASSE Push Fit Fitting Standard

200 PSI @ 73°F 100PSI @ 180°F
Temperature and Pressure Ratings

ASTM F1807 / 1960 / 2159 / 2098 / 2080

Compatible ASTM Fitting System Standards 3347 / 3348

SDR-9

Pipe Sizing Standard for wall thickness

CL5

Level 5 Chlorine Resistance ASTM F2023
100% Continuous Use at 140°F

CAN / ULC S102.2

Standard Method of Test for Surface
Burning Characteristics of Flooring,
Floor Covering, Etc.

ASTM E84

Standard Test Method for Surface
Burning Characteristics of Building Materials

cETLus FS25/SD50 / ASTM E84

Certified and Listed for Flame and
Smoke Spread

ICC-ES PMG-1363

Certified and Listed to IPC and UPC Plumbing Code and
IRC Residential Code

CSA-B137.18

Certified to Canadian Standard
for Potable Pressure Pipe

PE-RT PE445574A

Material Cell Designation Code

ASTM F2769

Certified to Standard for Hot and Cold Potable Distribution System
(PEX Equivalent standards are ASTM 876/877)

U.P. Code

Certified and listed to UPC Plumbing Code

cNSF US-PW

Certified for Potable Water to standards NSF 61 and NSF 14



Length Mark

Total length marked in 5 ft Increments and
always starts at 0 ft.

Legend HyperPure®
Company and Brand Name



THE LEGEND® 100 YEAR WARRANTY

Legend® warrants HyperPure® Bimodal
Polyethylene – Raised Temperature
tubing for one hundred years.

HyperPure is The Evolution of Potable Water Tubing

Manufactured using the latest high-density polyethylene (HDPE) resin to date, HyperPure is the most advanced PE-RT tubing available on the market today. HyperPure tubing meets the rigorous potable water standards of both Canada and the United States, as well as fully exceeding the requirements of ASTM 2769. This specification is the PE-RT equivalent of ASTM 876 and 877, which are the performance standards of PEX tubing.

| | HyperPure® PE-RT (ASTM 2769) | PEX Pipe (ASTM 876 / 877) |
|--|---|---|
| Cross-Linking | No cross-linking required, as HyperPure uses the latest and patented bimodal resin technology. | High degree of cross-linking is required to meet the strength requirements of potable systems. |
| Thermoplastic vs. Thermoset | PE-RT is a thermoplastic and naturally retains its flexibility. It is also fully fusible and 100% recyclable. | PEX is a thermoset, which provides its thermal memory. |
| Hot Bend Test | In ASTM 2769 hot bend tests, HyperPure tubing is heated, bent, then pressurized for 1000 hours at 180°F (82°C) | In ASTM 876 hot bend tests, PEX tubing is heated, bent, then pressurized for 1000 hours at 180°F (82°C) |
| Temperature and Pressure Ratings: | Up to 200psi at 73°F (22.78°C) Temperatures up to 180°F (82°C) | Only 160psi at 73°F (22.78°C) Temperatures up to 200°F (93°C) |
| Burst Pressure | 720psi @ 73°F (23°C) 100psi @ 180°F (82°C) | 475psi @ 73°F (23°C) 100psi @ 180°F (82°C) 80psi @ 200 °F (93°C) |
| Excessive Temperature Testing | Meets identical excessive temperature testing as PEX in ASTM 876. Based on ASTM D1598 which requires 720 hours at 150 PSI and 210°F (99°C) | PEX in ASTM 876 requires 720 hours at 150 PSI and 210°F (99°C). Based on ASTM D1598. |
| Strength | ASTM 2769 exceeds the identical environmental stress crack requirement as set in PEX ASTM 876. This states that the pipe must withstand more than 100 hours before failure. | PEX ASTM 876 states pipe must withstand more than 100 hours before failure. |
| Flexibility | Bend radius is 5 times the OD | Bend radius is 5 times the OD |